

***Procleomenes palawanensis* sp. nov. (Coleoptera: Cerambycidae) from Palawan**

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Procleomenes palawanensis sp. nov, a new species of the genus *Procleomenes* Gressitt & Rondon, 1970 from the Philippines, is described and illustrated. The species is from Palawan which is the first record of the genus in the island.

Key words: Coleoptera, Cerambycidae, Oriental Region, Palawan, new species

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INTRODUCTION

Procleomenes Gressitt & Rondon, 1970 is a genus of longhorn beetles from the tribe Cleomenini Lacordaire, 1869 (Cerambycidae: Cerambycinae). Members of this genus are characterized by elytral reduction that is more accentuated in the most evolved species. The elytral apex is rounded, truncated, bispinose, or pointed and more or less dehiscent. The pattern consists of three transverse light bands (basal, premedian, and postmedian), which are often reduced to two in brachypterous species, the basal one tending to disappear (Vitali, 2018).

The genus was originally described from its type species *Procleomenes elongatithorax* Gressitt & Rondon, 1970 from Laos and currently represented by 25 species in the Oriental region, with the most number found in the Philippines (Barsevskis, 2019). The genus was first recorded in the country in 2005, and now there are a total of 6 species known from the Philippines distributed in the islands of Mindanao, Mindoro, Luzon, Negros, and Samar (Niisato & Vives, 2005; Vives, 2015; Niisato & Tichy, 2016; Barsevskis, 2019).

Palawan is one of the three surviving biodiversity corridors of the Philippines, along with the Sierra Madre and Eastern Mindanao corridors. It is a narrow chain of 1,769 islands and islets located west of the

main Philippine Archipelago that stretches 650 kilometers between Mindoro Island and North Borneo (Denr-Mimaropa, 2016). That island harbors distinctive flora and fauna that have long attracted the interest of scholars because of its strategic location as a land bridge that formerly connected the Philippines to Borneo.

This paper describes *Procleomenes palawanensis* sp. nov, the first record of the genus on the island of Palawan and the seventh species of *Procleomenes* added to the Philippine fauna.

MATERIAL AND METHODS

The studied materials is deposited in the beetles collection of Daugavpils University, Institute of Life Sciences and Technology, Coleopterological Research Centre (DUBC; Ilgas, Daugavpils Distr., Latvia).

The laboratory research and measurements have been performed using Nikon AZ100, Nikon SMZ745T and Zeiss Stereo Lumar V12digitalstereomicroscopes, NIS-Elements 6D software. The habitus photograph was obtained with a digital camera Canon EOS 6D with Canon MP-E65 mm macro lens, using Helicon Focus automontage and subsequently was edited with Photoshop. All measurements are given in millimeters.

In the present paper we followed the taxonomic nomenclature provided by Tavakilian, Chavillotte (2023).

RESULTS

Procleomenes palawanensis sp. nov.
(Fig. 1)



Fig. 1. *Procleomenes palawanensis* sp. nov. (holotype)

Type specimens: Holotype: Male. /Philippines: Palawan, / Roxas, 01. 2023, / local collector leg. / [handwritten]; // HOLOTYPE: / *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Paratypes: Male. /Philippines: Palawan, / Roxas, 06.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Male. /Philippines: Palawan, / Roxas, 08.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Male. /Philippines: Palawan, / Roxas, 09.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Male. /Philippines: Palawan, / Roxas, 09.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, Ch. Torrejos det. [red label, handwritten] (DUBC).

Male. /Philippines: Palawan, / Roxas, 09.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Female. /Philippines: Palawan, / Roxas, 07.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Female. /Philippines: Palawan, / Roxas, 08.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Female. /Philippines: Palawan, / Roxas, 08.2023, / local collector leg. / [handwritten]; // PARATYPUS:/ *Procleomenes* / *palawanensis* sp. n. / A.Barševskis, / Ch. Torrejos det. [red label, handwritten] (DUBC).

Distribution. Philippines: Palawan Island.

Description. Body elongate and slender, dark, glossy. Elytra dark, with two transverse white bands. Body length: 6.5-7.9 mm, largest width: 0.9mm.

Head slightly transverse, with large and convex eyes. Portion of head between antennal bases with wide impression. Frontal part of head behind clypeus

flattened, with coarse punctuation and fine short pubescence. Posterior portion of head glossy, with sparse and coarse punctuation. Cheeks under eyes small, with some long setae and sparse pubescence in lateral portion. Mandibles dark-brown, sharp, with coarse punctures and pubescence laterally. Labrum yellow-brown, glossy, with concaved apical margin, with pubescence and small punctures. Clypeus yellow-brown, very short, glossy, transverse. Antennae long and slender, on male and female longer than length body. Antennomeres shiny, with short pubescence and a brush of long setae. Basal antennomeres 1-4 thickened apically, slightly concave, dark, antennomeres 5-9 yellow or yellow-brown.

Pronotum elongate, subcylindrical, with dorsal and lateral tubercles. Length: 2.0-2.3 mm, maximal width: 0.8 - 1.3 mm. Anterior and posterior border portions prominent, shiny; pronotum distinctly longer as wide. Pronotal disc with a pair of lateral protruded tubercles and five dorsal tubercles on the disc: three tubercles located in anterior portion, and two tubercles located in posterior portion. Pronotum shiny, with very fine microsculpture, wrinkles and very fine, sparse punctuation in middle, with lateral pubescence. Ventral surface of prothorax with white pubescence, and some additional longer setae. Scutellum wide, rounded apically, with dense white pubescence. Pars stridens distinct, rounded apically, smooth, with very fine transverse microsculpture, iridescent.

Elytra translucent, flattened, narrowed near middle and slightly broadened posteriorly; apical margin of elytra not reaching apex of abdomen. Elytra dark-brown, with two relatively wide transverse white translucent bands. Anteromedian portions of each elytron ovally impressed at base near suture, with sparse and fine punctuation;

each puncture bearing a pale seta. Surface of elytra with fine rows of relatively sparse and fine punctures.

Ventral surface of body smooth, with sparse punctuation and setation. Legs relatively long and thin, with apically thickened femora. Widest part of femora black, other portions yellow. Tibia dark-brown, flattened at external border, with fringe of dark and long setae. Tarsomeres yellow, covered by sparse, golden pubescence.

Differential diagnosis. In the generals hape of the body, the new species is similar to *P. bifasciatus* Vives, 2015, known from Luzon, but differs from it by the following characters: 1) different shape of transverse bands on the elytra: new species with two distinctly marked transverse bands, which is almost the same width, but elytra of *P. bifasciatus* with two indistinctly marked striated bands, which are usually not of equal width; 2) Antennomeres of new species unicolored, but *P. bifasciatus* bicolored.

Etymology. This species is named after its place of origin - Palawan Island [Palawan - *palawanensis*].

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